

--53. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate, a back plate, and a perimeter seal spacing apart the plates, and wherein image-generating medium is sealed to an area between the plates and within the borders of the perimeter seal, the method comprising the steps of:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion, thereby breaking the perimeter seal of the display; and

applying a first seal between the plates along an exposed edge of the target display portion, the first seal creating a barrier to prevent the image-generating medium from escaping out of the area between the plates, the first seal comprising an adhesive having mechanical properties for preserving cell spacing between the front and back plates.

54. (New) The method as in claim 53, further comprising the step of applying a second humidity seal along the exposed edge over the first seal. *no longer*

55. (New) The method as in claim 54, wherein the second seal comprises silicone.

56. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate, a back plate, and a perimeter seal spacing apart the plates, and wherein image-generating medium is contained in an area between the plates and within the borders of the perimeter seal, the method comprising the steps of:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion;

applying a first seal between the plates along an exposed edge of the target display portion, the first seal creating a barrier to prevent the image-generating medium from

escaping out of the area between the plates, the first seal comprising an adhesive having mechanical properties for preserving cell spacing between the front and back plates; and

applying a second seal along the exposed edge, the second seal comprising silicone;

wherein the silicone is substantially black-covered.

57. (New) The method as in claim 55, wherein the step of cutting the display further comprises the steps of cutting the front plate along a first dimension, and cutting the back plate along a second dimension resulting in an exposed upper surface portion of the back plate to which the second seal attaches.

C 58. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate, a back plate, and a perimeter seal spacing apart the plates, and wherein image-generating medium is contained in an area between the plates, and within the borders of the perimeter seal the method comprising the steps of:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion;

applying a first seal between the plates along an exposed edge of the target display portion, the first seal creating a barrier to prevent the image-generating medium from escaping out of the area between the plates, the first seal comprising an adhesive having mechanical properties for preserving cell spacing between the front and back plates;

applying a second seal along the exposed edge, the second seal comprising silicone; and

scoring a polarizer attached to an upper surface of the front plate resulting in a target polarizer portion and an excess polarizer portion.

59. (New) The method as in claim 58, further comprising the step of removing the excess polarizer portion from the display before performing the cutting step.

60. (New) The method as in claim 58, further comprising the step of applying a light mask over the second seal and up to an outer perimeter of a target display image area on the target display portion.

61. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate, a back plate, and a perimeter seal spacing apart the plates, and wherein image-generating medium is contained in an area between the plates and within the borders of the perimeter seal, the method comprising the steps of:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion;

applying a first seal between the plates along an exposed edge of the target display portion, the first seal creating a barrier to prevent the image-generating medium from escaping out of the area between the plates, the first seal comprising an adhesive having mechanical properties for preserving cell spacing between the front and back plates;

applying a second seal along the exposed edge; and

applying a light mask over the second seal and up to an outer perimeter of a target display image area on the target display portion.

62. (New) The method as in claim 61, further comprising the step of orienting the target display portion after the cutting step to prevent the image-generating medium from escaping from between the plates.

63. (New) The method as in claim 55, wherein the display is a COTS AMLCD, and wherein the target display portion is substantially square.

64. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate and a back plate, the method comprising the steps of:

C1 cutting the display along desired dimensions resulting in a target display portion and an excess display portion, the target display portion comprising a polarizer attached to an upper surface of the front plate;

applying a first seal along an exposed edge of the target display portion between the plates;

applying a second seal over the exposed edge sealed by the first seal, the second seal comprising silicone;

applying a silicone bead over an edge of the polarizer; and

applying a third seal over the second seal, wherein the third seal extends onto the upper surface of the front plate and up to an edge of a target display image area.

65. (New) The method as in claim 64, wherein the display is a COTS LCD.

66. (New) The method as in claim 65, wherein the target display portion is substantially square.

67. (New) A method of changing the physical shape of a COTS LCD comprising the steps of:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion;

applying a first seal along an exposed edge of the target display portion between the plates;

applying a second seal over the first seal;

replacing an original TAB on the target display portion with a new TAB; and

electrically connecting the new TAB to corresponding electrical leads within the target display portion.

C 1 68. (New) The method as in claim 67, wherein the target display portion further comprises a polarizer attached to an upper surface of the front plate, and further comprising the step of applying a silicone bead over an edge of the polarizer.

69. (New) The method as in claim 66, wherein the target display portion is substantially square.

70. (New) An electronic display comprising:

a substantially flat front plate having an upper surface and a lower surface;

a substantially flat back plate having an upper surface and a lower surface, said back plate positioned behind said front plate and substantially parallel thereto;

a perimeter seal located between said plates and forming an enclosed cell area defined by the lower surface of the front plate, the upper surface of the back plate, and the perimeter seal;

an image-generating medium contained within said cell area;  
electrical conductors distributed throughout said image-generating medium;  
a substantially flat first polarizer attached to the upper surface of said front plate,  
said first polarizer having a perimeter;  
a second humidity seal positioned over the perimeter seal;  
a first silicone bead positioned over the perimeter of the first polarizer; and  
a third seal positioned over the perimeter seal, the second seal, and the first  
silicone bead, said third seal extending onto the upper surface of the front plate up to an  
outer edge of a display image area thereon.

C) 71. (New) The electronic display as in claim 70, further comprising a first silicone  
bead positioned over the perimeter of the first polarizer.

72. (New) The electronic display as in claim 70, wherein the second seal  
comprises silicone.

73. (New) The electronic display as in claim 72, wherein the image-generating  
medium is liquid crystal material.

74. (New) The electronic display as in claim 70, wherein the second seal  
comprises silicone, and further comprising a substantially flat second polarizer attached to  
the lower surface of said back plate, said second polarizer having a perimeter, and  
wherein a second silicone bead is positioned over the perimeter of the second polarizer.

75. (New) An electronic display comprising:  
substantially flat front plate having an upper surface and a lower surface;

a substantially flat back plate having an upper surface and a lower surface, said back plate positioned behind said front plate and substantially parallel thereto;

a perimeter seal located between said plates and forming an enclosed cell area defined by the lower surface of the front plate, the upper surface of the back plate, and the perimeter seal;

an image-generating medium contained within said cell area;

electrical conductors distributed throughout said image-generating medium;

a substantially flat first polarizer attached to the upper surface of said front plate, said first polarizer having a perimeter;

C/ a second seal positioned over the perimeter seal, the second seal comprising silicone;

a first silicone bead positioned over the perimeter of the first polarizer; and

a substantially flat second polarizer attached to the lower surface of the back plate, the second polarizer having a perimeter, and wherein a second silicone bead is positioned over the perimeter of the second polarizer; and

a third seal positioned over the perimeter seal, the second seal, and the first and second silicone beads, said third seal extending onto the upper surface of the front plate up to an edge of a display image area thereon, and extending onto the lower surface of the back plate up to an outer edge of a display image area thereon.

76. (New) The electronic display as in claim 70, wherein the second seal comprises silicone.

77. (New) The electronic display as in claim 76, wherein the image-generating material is liquid crystal material.

78. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate, a back plate, and a perimeter seal spacing apart the plates, and wherein image-generating medium is contained in an area between the plates and within the borders of the perimeter seal, the display further comprising electronic circuits for operating the display, the method comprising the steps:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion, thereby cutting at least some of the electronic circuits; and

C' applying a first seal between the plates along an exposed edge of the target display portion;

wherein the target display portion retains the basic functionality of the display.

79. (New) The method as in claim 78, further comprising the step of applying a second seal along the exposed edge, said second seal comprising silicone.

80. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate, a back plate, a perimeter seal spacing apart the plates, and wherein image-generating medium is contained in an area between the plates and within the borders of the perimeter seal, the method comprising the steps of:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion, the desired dimensions not intersecting with the perimeter seal;



applying a first seal between the plates along an exposed edge of the target display portion;

applying a second seal along the exposed edge, the second seal comprising silicone; and applying a light mask over the second seal and up to an outer perimeter of a target display area on the target display portion;

wherein the target display portion retains the basic functionality of the display.

81. (New) A method of changing the physical shape of an electronic display, wherein the display comprises front and back plates, a perimeter seal spacing apart the plates, image-generating medium contained in an area between the plates and within the borders of the perimeter seal, and a plurality of films on an outer surface of at least one of the front and back plates, the method comprising the steps of:

C 1 cutting the display along desired dimensions resulting in a target display portion and an excess display portion;

removing excess portions of the plurality of films from the outer surface along the desired dimension; and

applying a first seal between the plates along an exposed edge of the target display portion, the first seal creating a barrier to prevent the image-generating medium from escaping out of the area between the plates.

82. (New) The method of claim 81, wherein the step of removing the excess portions of the plurality of films comprises the steps of:

scoring the plurality of films along the desired dimensions; and

peeling off the excess portions prior to cutting the plates.

83. (New) The method of claim 81, wherein the step of removing the excess portions of the plurality of films comprises the steps of:

removing an excess polarizer portion from the outer surface; and

removing one or more additional films from the outer surface, the additional films being selected from the group consisting of a filter, an image enhancement film, a retardation film, and a viewing angle enhancement film.

84. (New) The method of claim 81, wherein outer surfaces of the front and back plates each has a plurality of films thereon, and wherein the step of removing excess portions of the plurality of films comprises the steps of:

removing excess portions of the plurality of films from the outer surface of the front plate; and

removing excess portions of the plurality of films from the outer surface of the back plate.

85. (New) The method of claim 53, wherein the first seal comprises microspheres or beads mixed in the adhesive for preserving the cell spacing between the front and back plates.

86. (New) The method of claim 53, comprising the additional step of outgasing the electronic display after the step of applying the first seal to remove trapped gases and voids from the area between the plates.

87. (New) A method of changing the physical shape of an electronic display, wherein the display comprise a front plate and a back plate, the method comprising the steps of:

cutting the display along desired dimensions resulting in a target display portion and an excess display portion, the target display portion comprising a polarizer attached to an upper surface of the front plate;

applying a first seal along an exposed edge of the target display portion between the plates;

applying a second seal over the exposed edge sealed by the first seal; and

applying a third masking seal over the second seal for preventing back light from passing through the exposed edge.

88. (New) A method of changing the physical shape of an electronic display, wherein the display comprises a front plate, a back plate, and a film on at least one of the front and back plates, the method comprising the steps of:

C1 cutting the display along desired dimensions resulting in a target display portion and an excess display portion;

removing at least a portion of the film; and

applying a first seal along an exposed edge of the target display portion between the plates.

89. (New) The method of claim 88, wherein the film comprises a polarizer.

90. (New) The method of claim 88, wherein the step of removing at least a portion of the film comprises:

scoring the film along the desired dimensions; and

peeling off excess portions of the film before cutting the display.

91. (New) The method of claim 78, further comprising modifying the electronic circuits on the target display portion to retain the basic functionality of the display.

92. (New) The method of claim 91, wherein the electronic circuits comprise internal electronics, and wherein the modifying step comprises reestablishing continuity of the internal electronics.

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Cont. 93. (New) The method of claim 78, wherein the electronic circuits comprise at least one of a circuit board, a TAB, and a COG disposed along an outer edge of the display, and wherein the step of cutting the display comprises cutting through at least one of the circuit board, TAB, or COG.

94. (New) The method of claim 78, wherein at least some of the electronic circuits remain on the excess display portion after the cutting step.

95. (New) The method of claim 78, wherein the film comprises a film on each of the front and back plates, and wherein the removing step comprises removing at least a portion of the film on each of the front and back plates.--

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